

LVC RS232 Control Document

Protocol

Baud	57600
Parity	None
Data Bits	8
Stop Bits	1
Flow control	None

Control Commands

Table 1 provides a list of all of the available control codes for the product in both hexadecimal and ASCII formats. In the ASCII column [CR] is used to denote the carriage return character.

Function	Command (Hex)	Command (ASCII)
Power On	50 57 52 3D 4F 4E 0D	PWR=ON[CR]
Power Off	50 57 52 3D 4F 46 46 0D	PWR=OFF[CR]
Volume Up	56 4F 4C 20 55 50 0D	VOL UP[CR]
Volume Down	56 4F 4C 20 44 4F 57 4E 0D	VOL DOWN[CR]
Volume Absolute Value from 0 (min) to 100 (max)	56 4F 4C 3D x x x 0D Where x is the hex value for the required ASCII digit, ie for a value of 052, x x x would be 30 35 32	VOL=aaa[CR] Where aaa = 000 to 100
Mute On	4D 55 54 45 3D 4F 4E 0D	MUTE=ON[CR]
Mute Off	4D 55 54 45 3D 4F 46 46 0D	MUTE=OFF[CR]
Mute Toggle	4D 55 54 45 0D	MUTE[CR]
Mono Mode On	4D 53 4D 3D 4F 4E 0D	MSM=ON[CR]
Mono Mode Off	4D 53 4D 3D 4F 46 46 0D	MSM=OFF[CR]
Balance Value from -36 (full left channel) to +36 (full right channel)	42 41 4C 3D (2D) x x 0D Where x is the hex value for the required ASCII digit and (2D) is the optional negative sign, ie for a value of -12, x x would be 31 32, for 24 it is 32 34 and the (2D) would not be used.	BAL=bbb[CR] Where bbb = -36 to 36

Table 1, Control codes

Request Commands

Table 2 provides a list of available data that can be requested from the product. The [CR] is used to denote the carriage return character.

Data Requested	Request (Hex)	Request (ASCII)	Returned Data (ASCII)
Volume Level	56 4F 4C 3F 0D	VOL?[CR]	VOL=aaa[CR] Where aaa is the volume level from 000 to 100
Balance	42 41 4C 3F 0D	BAL?[CR]	BAL=bbb[CR] Where bbb is the current balance from -36 to 36
Mute Status	4D 55 54 45 3F 0D	MUTE?[CR]	MUTE=ON[CR] or MUTE=OFF[CR]
Mono Status	4D 53 4D 3F 0D	MSM?[CR]	MONO[CR] or STEREO[CR]

Table 2, Information request codes